

## **STIC Biotechnology Systems Branch**

### **RAW SEQUENCE LISTING ERROR REPORT**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:**

Application Serial Number: 10/578, 672  
Source: JFWP  
Date Processed by STIC: 05/18/2006

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

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**FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT  
MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221**

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:**

**<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. **EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)**
2. **U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**
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U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314**

Revised 01/10/06



IFWP

**RAW SEQUENCE LISTING**  
**PATENT APPLICATION: US/10/578,672**

DATE: 05/18/2006  
TIME: 09:19:16

Input Set : A:\PTO.RJ.txt  
Output Set: N:\CRF4\05182006\J578672.raw

5 <110> APPLICANT: EXONHIT THERAPEUTICS SA  
9 <120> TITLE OF INVENTION: Identification of diagnostic markers for Communicable  
subacute spongiform

10 encephalopathies  
14 <130> FILE REFERENCE: 3665-178  
C--> 18 <140> CURRENT APPLICATION NUMBER: US/10/578,672  
C--> 20 <141> CURRENT FILING DATE: 2006-05-09  
24 <150> PRIOR APPLICATION NUMBER: FR 03 13275  
26 <151> PRIOR FILING DATE: 2003-11-13  
30 <160> NUMBER OF SEQ ID NOS: 26  
34 <170> SOFTWARE: PatentIn version 3.1  
38 <210> SEQ ID NO: 1  
40 <211> LENGTH: 191  
42 <212> TYPE: DNA  
44 <213> ORGANISM: artificial sequence  
48 <220> FEATURE:  
50 <223> OTHER INFORMATION: marqueur ESB  
52 <400> SEQUENCE: 1

(P9-6)  
Does Not Comply  
Corrected Diskette Needed  
(P9-1-5)

pls do not use foreign  
language in US Application  
this type of

52 <400> SEQUENCE: 1  
53 ggtgtggagg tggtaaaagg cattgacaat cggaactcaga aagttagtcgc cataaaaatc 60  
55 attgacctgg aggaggcaga agatgagatc gaggacattc agcaggaaat cacagtgc 120  
57 agtcaagtgtg acagtcccta cgtaaccaaatttacggat cctacctgaa ggacactaaa 180  
59 ttgtggataa t 191  
62 <210> SEQ ID NO: 2  
64 <211> LENGTH: 244  
66 <212> TYPE: DNA  
68 <213> ORGANISM: artificial sequence  
72 <220> FEATURE:  
74 <223> OTHER INFORMATION: marqueur ESB  
76 <400> SEQUENCE: 2  
77 tatctgcaga atttcccctt gagaagcggtt atggggtgca ggtaagttat tacacaagag 60  
79 aaagaagttt ctctactaac agcaagatta atggcacaat tcaaccaaaa ctcataataca 120  
81 ttttactgct taatttacat attatttgg tgaaaaaaat agtattctt attctttcag 180  
83 ttctttatg caaaaataca ctctcacagg gacatcactt agatgttatg caaacctccc 240  
85 cccc 244  
88 <210> SEQ ID NO: 3  
90 <211> LENGTH: 325  
92 <212> TYPE: DNA  
94 <213> ORGANISM: artificial sequence  
98 <220> FEATURE:  
100 <223> OTHER INFORMATION: marqueur ESB  
102 <400> SEQUENCE: 3  
103 gagacatttg gccaaaagag gaatttccag gacaccaaca acatccatttttccattttt 60  
105 catttgtttc ctgaagagca aacacttcct tgaaattctt ctcaatttct gcctccagtc 120  
107 taagccccat ttggccaaaa tcattgaact tgaaagatgc cctgtgggtc tgaaagatga 180

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/578,672

DATE: 05/18/2006

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Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\05182006\J578672.raw

214 <212> TYPE: DNA  
 216 <213> ORGANISM: artificial sequence  
 220 <220> FEATURE:  
 222 <223> OTHER INFORMATION: marqueur ESB  
 224 <400> SEQUENCE: 7

225 ctgtgttagg	cagagttcc	agggtcagt	gaggaagcag	catcacagcc	agatccatgg	60
227 ttggggatg	gccacggaa	atgacttgg	gactgactct	gatctcagag	tggacaggc	120
229 tgacaggcat	ctggaaattc	cgggcaagg	caggcacgta	ttatagaaga	gcaaacacca	180
231 atccccaaat	atcctcagga	atcagcgat	gagccccttc	tggctcctgt	gatggatgat	240
233 gaggcccagc	ccaaggaaaga	tcagccccag	cacaaaggcct	ccaac		285

236 <210> SEQ ID NO: 8  
 238 <211> LENGTH: 235  
 240 <212> TYPE: DNA  
 242 <213> ORGANISM: artificial sequence  
 246 <220> FEATURE:  
 248 <223> OTHER INFORMATION: marqueur ESB  
 250 <220> FEATURE:  
 252 <221> NAME/KEY: misc\_feature  
 254 <222> LOCATION: (44)..(85)  
 256 <223> OTHER INFORMATION: N = A, T, G or C  
 260 <400> SEQUENCE: 8

W--> 261 tctgcagaat	tcgcctctga	gaagcgttat	ccgttggacc	caannnnnnn	nnnnnnnnnnnn	60
W--> 263 nnnnnnnnnn	nnnnnnnnnn	nnnnncaaga	gaaaagatca	gagggtgctg	gtgtgacgtt	120
265 taatggaa	aaggcctgga	aggtgatcc	atcaaccgcg	gagacaaaag	tggcccgcc	180
267 tccttccaca	ggtgcgact	gatgctgcca	gttcacggc	agtgtggtc	aacac	235

270 <210> SEQ ID NO: 9  
 272 <211> LENGTH: 400  
 274 <212> TYPE: DNA  
 276 <213> ORGANISM: artificial sequence  
 280 <220> FEATURE:  
 282 <223> OTHER INFORMATION: marqueur ESB  
 284 <220> FEATURE:  
 286 <221> NAME/KEY: misc\_feature  
 288 <222> LOCATION: (18)..(57)  
 290 <223> OTHER INFORMATION: N = A, T, C or G  
 294 <400> SEQUENCE: 9

W--> 295 aagcgttatt	tagataan	nnnnnnnnnn	nnnnnnnnnn	nnnnnnntac		60
297 acccagagta	ttccatagtt	tgatggttt	gtctcggag	ccagagacaa	tttgcgggt	120
299 gtcagaagag	aaggccacac	tcagcacatc	tttggatgg	cctacaaatc	ggcagtggt	180
301 ggtgcccgtt	gtgagatccc	aaaggcgaag	ggttccatcc	caggagcctg	agagggcaaa	240
303 ttggccatct	gaggaaatga	ccacatact	aacaaagtgg	gagtgacccc	gaagagcacg	300
305 ctgtggata	ccatagttgg	tttcatctt	ggtcagcttc	cacataatga	tggcttatac	360
307 tcgagaggcg	gacgatatca	tgtccggaa	ctggggagtg			400

310 <210> SEQ ID NO: 10  
 312 <211> LENGTH: 397  
 314 <212> TYPE: DNA  
 316 <213> ORGANISM: artificial sequence  
 320 <220> FEATURE:  
 322 <223> OTHER INFORMATION: marqueur ESB

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/578,672

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Input Set : A:\PTO.RJ.txt  
Output Set: N:\CRF4\05182006\J578672.raw

109	gacgcgtatgc ccacacaaac cttccacat tggagtagcc ctgctcattc agcctttct	240
111	tgtatcttgc cagccacatg ggctccttga ggtttttaga agcctcttc atataataat	300
113	aataggaaat cctcactata acgct	325
116	<210> SEQ ID NO: 4	
118	<211> LENGTH: 688	
120	<212> TYPE: DNA	
122	<213> ORGANISM: artificial sequence	
126	<220> FEATURE:	
128	<223> OTHER INFORMATION: marqueur ESB	
130	<400> SEQUENCE: 4	
131	aagcggtatgc caggtaggcc gacaaggcga agtggatgc cggagagcgg ccgagttatt	60
133	gctccgagga gaccacgttc acccggtact atggcgaccg ccccatccc gatcactatc	120
135	agccgttcac cgccgatgag ggcacgttgt tccagctctg ggagacgttg agcgagggca	180
137	ctcctacgtc gccgccttc ggcacgttgc aggaactggc agcctaccc gccgagtggg	240
139	gcgacttctg tgatcacagg cgccgcgtcg agtccatggc cgccgcgcgat attgagcgcc	300
141	tcttgcgtc gaatgaccgg cactagttca aggtgcggct gggggcagca gcgcgcctaa	360
143	gcttctgcg agactggctg ggcgcggcgc atgatggtcc gccgcggcga gatcctgacc	420
145	aaccttgggg acatgggtgc gtctgtaccc tcgcctagct ctctcacaca cctaggagga	480
147	agagatgacc acccccaaca ttgcggcca cgagaccgaa gccaaggccc gcaaggcggc	540
149	gatgaagtgg ttcaccttca cggacggcac caagctgtc gagggcgtcc acttccacat	600
151	caagcagaac cacttcgggc tctggacctt ccgggagggc ccggctccga agtccgcggg	660
153	accggcgtatgc actcataacg cttctcaa	688
156	<210> SEQ ID NO: 5	
158	<211> LENGTH: 373	
160	<212> TYPE: DNA	
162	<213> ORGANISM: artificial sequence	
166	<220> FEATURE:	
168	<223> OTHER INFORMATION: marqueur ESB	
170	<400> SEQUENCE: 5	
171	agaagcgta ttgtctgatac ccgctacatg ttctccaggc ctttcagaaa acatggagtt	60
173	gttccttgg ccacatacat gcaaatctac aggaagggtg atattgtaga tatcaaggga	120
175	atgggtactg ttcaaaaagg aatgcggccac aaatgttacc atggcaaaac tggaaagagtc	180
177	tataatgtca cccagcatgc ttttggcatc attgtaaaca aacaagttaa gggcaagatt	240
179	cttgcggaaa gaattaatgt gcgtatcgag catattaagc actctaagag ccgagatagc	300
181	ttcctgaaac gtgtgaagga aaatgtatcg aaaaagaggg aagccaaaga gaaaggact	360
183	tgggttaac acc	373
186	<210> SEQ ID NO: 6	
188	<211> LENGTH: 235	
190	<212> TYPE: DNA	
192	<213> ORGANISM: artificial sequence	
196	<220> FEATURE:	
198	<223> OTHER INFORMATION: marqueur ESB	
200	<400> SEQUENCE: 6	
201	gggcggaggt caccctgggg atcctccagg gccaggccct ggcacaactc gtctccatca	60
203	cacagatggg ccgtcgctg gtcgtggctc tcaggagtca gaccggaaaa agccagccct	120
205	ggggcaacca ggagcaccga ggtgtatcgag aggacagccc aggaggatcat gttgaggcag	180
207	ctgaaaagggtc tgtcaagtc aatcatgaag aaatttctcc gtaccatcac ctccc	235
210	<210> SEQ ID NO: 7	
212	<211> LENGTH: 285	

Same  
Error

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/578,672

DATE: 05/18/2006

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Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\05182006\J578672.raw

324 <400> SEQUENCE: 10  
 325 gggccagggg atgatatgaa tgtcacagga ggagacacct tctgtcttg tttcaaagaa 60  
 327 agttgatgtt ccatttgttata atatacaaga gaaatattga aaatatatttggaaaagagcaa 120  
 329 tttaaaatta ttttggctt atgttgcaat atttattttc ttgtatttagg aaagatttcct 180  
 331 ttgttagaaaaaaa aaaatgtatttttcaac gcaaaaaacct atttcttcctt ttgtacatt 240  
 333 gtccatgttc gctaccctta acgagcaata gaatgtatgg ctgcctcggtg 300  
 335 cccgcgtgcc ctgcattgttcc accaccatgt agctcccagt cccatccctgt 360  
 337 cctgctcaact catgggggtt tccagagcct agccct 397

340 <210> SEQ ID NO: 11

342 <211> LENGTH: 397

344 <212> TYPE: DNA

346 <213> ORGANISM: artificial sequence

350 <220> FEATURE:

352 <223> OTHER INFORMATION: *marqueur ESB*

354 <400> SEQUENCE: 11

355 tggattgcag gtgactgaga aaaccatcga ggacagttt taaggggtca ctgagccagg 60  
 357 agcaaatgag atcctgagaa agtacttcat tgtgaaagag ttagcactaa gcaggaaacc 120  
 359 ttccatgtgtgaaagc tgggacagaa gtttcttcct tgagtgtgac catcttcact 180  
 361 tcagctcagg agccctgttgcgtgaagtgtt agggcgtcct ttctgattcc tgaagtatata 240  
 363 ttattagcccc cacggcaagg aagaacagac tcagaacgaa gccccccact ccactcatca 300  
 365 tcttgctctg agcagagtca gaccgtgccc tccattctac tgtgataggg ctgtctggc 360  
 367 tggggtgctc cacttggcaaa gtgttagacct ggcacca 397

370 <210> SEQ ID NO: 12

372 <211> LENGTH: 454

374 <212> TYPE: DNA

376 <213> ORGANISM: artificial sequence

380 <220> FEATURE:

382 <223> OTHER INFORMATION: *marqueur ESB*

384 <220> FEATURE:

386 <221> NAME/KEY: misc\_feature

388 <222> LOCATION: (435)..(446)

390 <223> OTHER INFORMATION: N= A, T, C or G

394 <400> SEQUENCE: 12

395 gctgtccaaa aaggcctccg ttatgaaata attctttta ttatctccga agtactattc 60  
 397 ttaccggat tttctgagc tttctaccac tcaaggctcg ccccccacccc tgggggaggc 120  
 399 ggctgctgac ccccaacagg cattcaccca ctaaaccccc tagaagtccc actgctcaac 180  
 401 acctctgtcc tattggcttc cggagtttctt attacctgag cccatcatag ttaatagaa 240  
 403 ggggaccgaa agcatatatt acaaggcccta tttatcacca tcacattagg agtctacttc 300  
 405 acactactac aagcctcaga atactatgaa gcaccttttcaatctccga cggagtttac 360  
 407 ggctcaactt tttttagc cacaggcttc cacggcctcc acgtcatcat tgggtccaaac 420  
 W--> 409 aaataacgct tctcnnnnnnnnnnnntgca gata 454

412 <210> SEQ ID NO: 13

414 <211> LENGTH: 219

416 <212> TYPE: DNA

418 <213> ORGANISM: artificial sequence

422 <220> FEATURE:

424 <223> OTHER INFORMATION: *marqueur ESB*

426 <220> FEATURE:

428 <221> NAME/KEY: misc\_feature

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/578,672

DATE: 05/18/2006

TIME: 09:19:16

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\05182006\J578672.raw

430 <222> LOCATION: (47)..(140)  
 432 <223> OTHER INFORMATION: N = A, T, C or G  
 436 <400> SEQUENCE: 13

W--> 437 ggggaggtat ctgtcaccca cgcagaaaatg cttctgacag gcggcannnn nnnnnnnnnnnn	60
W--> 439 nnnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn	120
W--> 441 nnnnnnnnnnnn nnnnnnnnnnnn cttggccgaa aagcctgagg tagtctcgcc ggcagagctt	180
443 cccggcccagc ttgttagtaga ggcgcggcc cacctaccc	219

446 <210> SEQ ID NO: 14  
 448 <211> LENGTH: 386  
 450 <212> TYPE: DNA  
 452 <213> ORGANISM: artificial sequence  
 456 <220> FEATURE:  
 458 <223> OTHER INFORMATION: *marqueur ESB*

460 <400> SEQUENCE: 14

461 gaagcgttat tggaggaggc taaccttaga gcagaggata agttcaccaa gagcgagcgg	60
463 gtgaactcga cgtatcaaa agcagtgggg agttcgccgc cttgtgttc cacgtaggc	120
465 ttcatgtggg agacgcgta gtcggcttgt tcccgagtca agttctgtt cagctcctcc	180
467 ttggtcacat aaggcttccc ttcagagctc acggccggaa aggccgtctc aatctcctcg	240
469 ctggacttga cgttccgt ctcacggctg atcataaagg acatgtactc ttgcattggag	300
471 acgtggacgt ccctgttagg atccacagtg tccaaatgg actcgaactc aaggtcgggc	360
473 tcccccttcctt ccaacatggc caggtc	386

476 <210> SEQ ID NO: 15  
 478 <211> LENGTH: 472  
 480 <212> TYPE: DNA  
 482 <213> ORGANISM: artificial sequence  
 486 <220> FEATURE:  
 488 <223> OTHER INFORMATION: *marqueur ESB*

490 <400> SEQUENCE: 15

491 tctgcagaat tcgccttga gaagcgttat gggggcgagg tggtaaagga agcttacaaa	60
493 acaaactattt tttaaaaaaa aacaaaaaaaaa caaaaaaaaaa aaaaaacacca aaagccaaacc	120
495 ggcccaattt tgtctccagt tttcaacgtg tgcttcgag catttcagct gtttccagtt	180
497 acttttagttt ccagatatta gtcttcatt tagtttaag actaaatctc actttggat	240
499 aaacacaagg aaatattttt cttgctgaaa aatcaatttta ctggataaaag ttaccttta	300
501 tgccttcag ttttctaattt caactttctg acaaccagtg gtaatttaga agttctaagt	360
503 tgcagttgtc cctatgactt tgggcttccc tgggtgtca gctggtaaaa aatctgcctg	420
505 caatgcggga gacctccacc ccataacgtt tctcaaaggc gaattctgca ga	472

508 <210> SEQ ID NO: 16  
 510 <211> LENGTH: 424  
 512 <212> TYPE: DNA  
 514 <213> ORGANISM: artificial sequence  
 518 <220> FEATURE:  
 520 <223> OTHER INFORMATION: *marqueur ESB*

522 <400> SEQUENCE: 16

523 ttgagaagcg ttattgtggg gaggtcatag ttgatgacta aggaaacttg ctgtacatca	60
525 atacctctgg ccagttagtgc agtggtaatc aataactctgc tggagccaga gcggactcc	120
527 ctcatgataa cgtctcggttc tttttgggtcc atgtctccgt gcatggcaga gacgggtgaag	180
529 ttcggggcat gcatcttctc ggtgagccaa tccaccttcc ttcgggtttt gatgaagatg	240
531 actgcctggg taatgtcag gtttcataac aagtcgcaca gtgtgtcag cttccactcc	300
533 ttcgttcca cattgtatgtaa gaaactgacgg atacccttcca gctcaactc ttcccttcttgc	360

*Some Errors*

RAW SEQUENCE LISTING ERROR SUMMARY                    DATE: 05/18/2006  
PATENT APPLICATION: US/10/578,672                    TIME: 09:19:17

Input Set : A:\PTO.RJ.txt  
Output Set: N:\CRF4\05182006\J578672.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:8; N Pos. 44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63  
Seq#:8; N Pos. 64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83  
Seq#:8; N Pos. 84,85  
Seq#:9; N Pos. 18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37  
Seq#:9; N Pos. 38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57  
Seq#:12; N Pos. 435,436,437,438,439,440,441,442,443,444,445,446  
Seq#:13; N Pos. 47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66  
Seq#:13; N Pos. 67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85,86  
Seq#:13; N Pos. 87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102,103,104  
Seq#:13; N Pos. 105,106,107,108,109,110,111,112,113,114,115,116,117,118,119  
Seq#:13; N Pos. 120,121,122,123,124,125,126,127,128,129,130,131,132,133,134  
Seq#:13; N Pos. 135,136,137,138,139,140  
Seq#:18; N Pos. 362,363,364,365,366,367,368

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 9

**VERIFICATION SUMMARY****PATENT APPLICATION: US/10/578,672****DATE: 05/18/2006****TIME: 09:19:17****Input Set : A:\PTO.RJ.txt****Output Set: N:\CRF4\05182006\J578672.raw**

L:18 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:20 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:261 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0  
L:263 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:60  
L:295 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0  
L:409 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:420  
L:437 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0  
L:439 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:60  
L:441 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:120  
L:609 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:360